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NPIC/R-194/63

August 1963

PHOTOGRAPHIC INTERPRETATION BRIEF

SHAMOVO ELECTRONICS FACILITY SAKHALIN ISLAND, USSR

[redacted]

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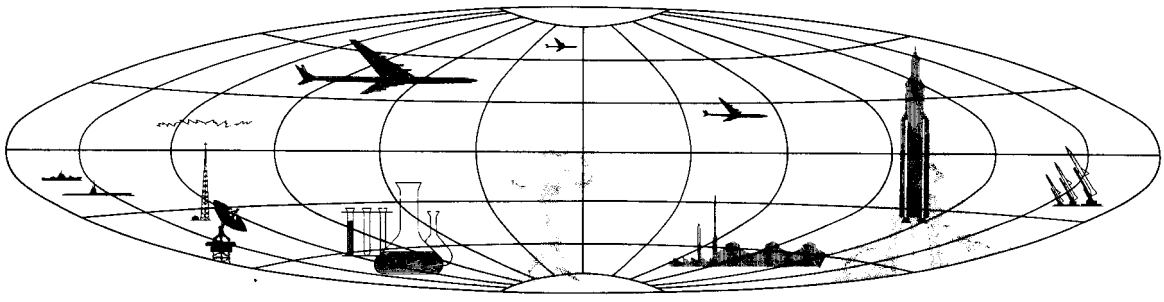

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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER			PHOTO INTERPRETATION BRIEF
Title: Shamovo Electronics Facility Sakhalin Island, USSR	Geo Coords: 49-04N 144-22E	COMOR No: None	Publication No: NPIC/R-194/63
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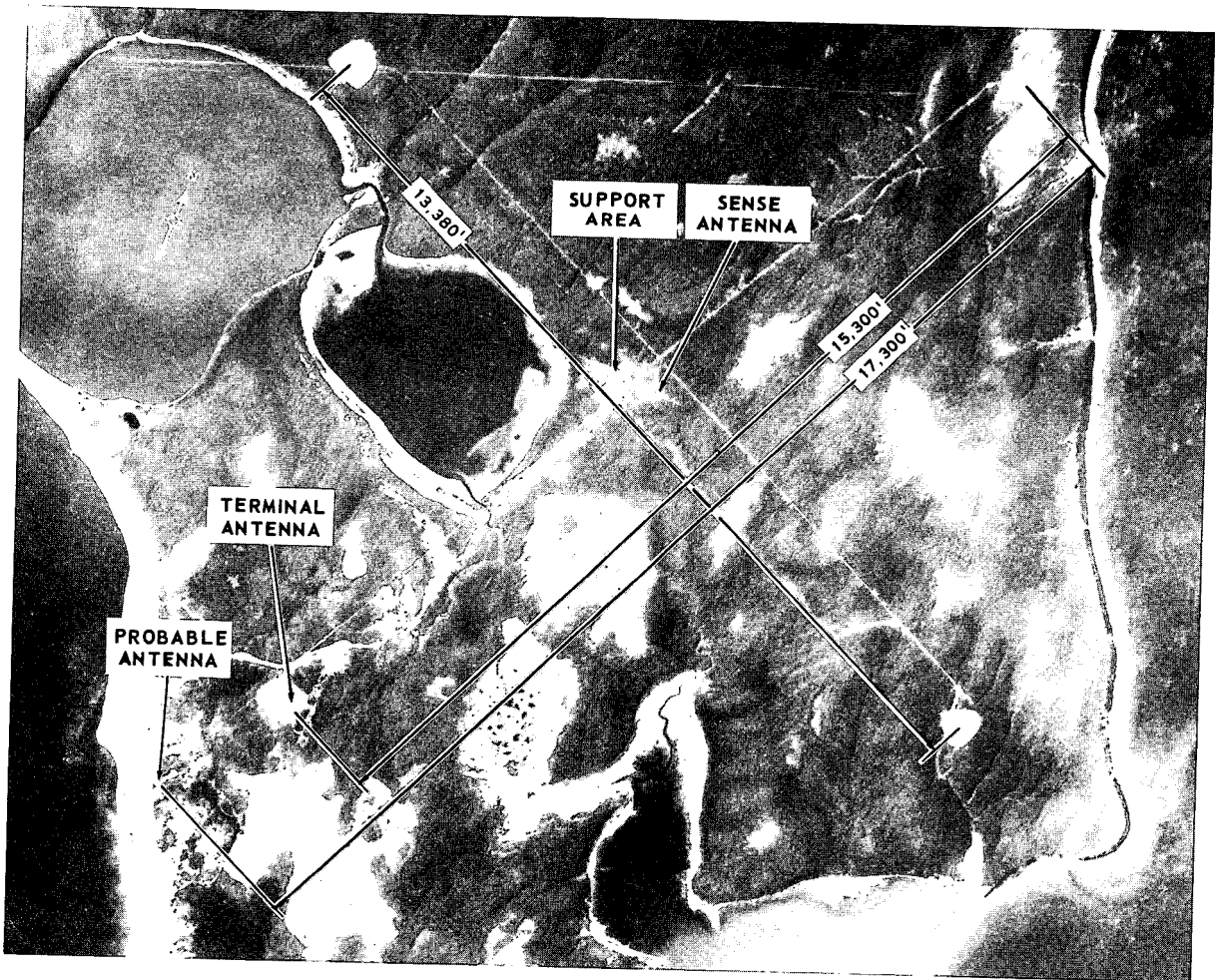
25X1D

References: USATC Series 200, Sheet 0205-17HL, 2d ed, Apr 63 (S)
NPIC Project J-260/63

A facility on Sakhalin Island, 4.5 nm SE of Shamovo and 19 nm SE of Vladimirovo, is interpreted to be electronics associated. However, its exact function cannot be determined from photography.

Photographic and photogrammetric evaluations suggest two possible functions: VLF navigational direction finder (Adcock principle), or missile or earth satellite instrumentation or communications.

The facility consists of four antennas and/or antenna foundations and one probable antenna forming a plus configuration; a phase reference, sense antenna; a cable run parallel to and offset



NPIC H-4094 (8/63)

FIGURE 1. SHAMOVO ELECTRONICS FACILITY, SAKHALIN ISLAND, USSR, [redacted]

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365 feet from each leg of the plus; and a support area of approximately nine medium-size and small buildings. Two of the antennas and/or antenna foundations and the probable antenna form the NE-SW leg of the plus and two form the NW-SE leg.

The NE-SW leg, oriented 30-210 degrees, is 15,300 feet long with a guyed 280-foot terminal antenna at the southwest end. This terminal antenna is a tripod-guyed mast with each guy leg 120 degrees apart and with five anchor footings on each guy leg. There appears to be an extension of this NE-SW leg 2,000 feet SW beyond this mast antenna to a probable antenna. A foundation for the third antenna is visible at the NE end of this NE-SW leg, but the mast is not visible.

A phase-reference, sense antenna of the same specifications as the described terminal antenna is located at the exact intersection of the NW-SE and NE-SW legs. The support area is located just west of the crossing of the two legs and its size is compatible with that of support areas for other isolated antennas of this nature.

The NW-SE leg, oriented 120-300 degrees, is 13,380 feet long between antenna foundations. It cannot be determined whether antennas have been erected at the ends. In all discernible aspects, it is apparent that they are or will be identical to the antennas identified.

Cable runs for the antennas have been cut through scrub growth on terrain barely above sea level. These cable-run ground scars, visible on photography, are offset 365 feet from the antennas and parallel to the antenna legs. Although the terrain in this area has no major relief, there has been no attempt to level the minor ravines along the cable runs.

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